

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APTIV SERVICES US, LLC,
Petitioner,

v.

MICROCHIP TECHNOLOGY INC.,
Patent Owner.

Patent No. 9,471,074

Inter Partes Review No. IPR2024-00646

**PETITIONER'S MOTION FOR *PRO HAC VICE* ADMISSION OF
STEPHEN LIU UNDER 37 C.F.R. § 42.10(c)**

Petitioner’s Updated Exhibit List

Exhibit Description	Exhibit #
U.S. Patent No. 9,471,074	1001
Declaration of Dr. Michael S. Chen	1002
Prosecution History of U.S. Patent No. 9,471,074	1003
Mohammad Al-Shyoukh, et al., “A Transient-Enhanced Low-Quiescent Current Low-Dropout Regulator with Buffer Impedance Attenuation,” <i>IEEE Journal of Solid-State Circuits</i> , Vol. 42, No. 8 (Aug. 2007) (“Al-Shyoukh”)	1004
U.S. Patent No. 6,400,207 (“Ivanov”)	1005
U.S. Patent No. 6,710,583 (“Stanescu”)	1006
Miranda J. Ha, “A Low-Power, High-Bandwidth LDO Voltage Regulator with No External Capacitor” (May 23, 2008) (“Ha”)	1007
Le Ye, et al., “Highly Power-Efficient Active-RC Filters with Wide Bandwidth-Range Using Low-Gain Push-Pull Opamps,” <i>IEEE Transactions on Circuits and Systems—I: Regular Papers</i> , Vol. 60, No. 1 (Jan. 2013) (“Ye”)	1008
Mikhail Popovich, “High Performance Power Distribution Networks with On-Chip Decoupling Capacitors for Nanoscale Integrated Circuits” (2007) (“Popovich”)	1009
U.S. Patent No. 7,345,547 (“Wang”)	1010
Micrel Inc., MIC59300 Datasheet (Jan. 2009) (“MIC59300”)	1011
U.S. Patent No. 7,644,217 (“Butler”)	1012
U.S. Patent No. 6,046,577 (“Rincon-Mora”)	1013
Gabriel A. Rincon-Mora, “A Low-Voltage, Low Quiescent Current, Low Drop-Out Regulator,” <i>IEEE Journal of Solid-State Circuits</i> , Vol. 33, No. 1 (Jan. 1998) (“Rincon-Mora Paper”)	1014

Gabriel A. Rincon-Mora, “Current Efficient, Low Voltage, Low Dropout Regulators” (Nov. 1996) (“Rincon-Mora Dissertation”)	1015
U.S. Patent No. 6,084,475 (“Rincon-Mora ’475”)	1016
Michael Day, “Understanding Low Drop Out (LDO) Regulators,” <i>2006 Texas Instruments Portable Power Design Seminar</i> (2006) (“Day”)	1017
Chester Simpson, “Linear and Switching Voltage Regulator Fundamental Part I” (2011) (“Simpson”)	1018
U.S. Provisional Patent Application No. 61/780,985	1019
Claim Construction Order (Dkt. No. 126), dated July 15, 2024 in <i>Microchip Technology Inc. v. Aptiv Services, LLC</i> , Case No. 1:23-cv-00778-JDW (D. Del.)	1020
Memorandum (Dkt. No. 125), dated July 12, 2024 in <i>Microchip Technology Inc. v. Aptiv Services, LLC</i> , Case No. 1:23-cv-00307-JDW (D. Del.)	1021
Supplemental Declaration of Dr. Mike Chen	1022 (served)
U.S. Patent No. 8,513,929	1023 (served)
Dec. 27, 2010 Information Disclosure Statement	1024 (served)
U.S. Patent No. 7,477,043	1025 (served)
Certified File History of U.S. Patent No. 9,741,074	1026 (served)
Declaration of Stephen Liu in support of Motion for Admission <i>Pro Hac Vice</i> (“Liu Decl”)	1027 [NEW]

I. Relief Requested

Pursuant to 37 C.F.R. § 42.10, Petitioner Aptiv Services US, LLC requests that the Board admit Stephen Liu *pro hac vice* in this proceeding.

II. Statement of Facts Showing Good Cause for the Board to Recognize Counsel *Pro Hac Vice* During the Proceeding

In accordance with 37 C.F.R. § 42.10(c), the Board may recognize counsel *pro hac vice* during a proceeding, subject to the conditions set forth therein, and any others that the Board may impose. Petitioner sets forth these facts in support of this motion:

1. The undersigned contacted counsel for patent owner Microchip Technology Inc. (Orrick, Herrington & Sutcliffe LLP), who indicated that Patent Owner did not plan to oppose Mr. Liu's admission *pro hac vice*.
2. Lead counsel for Petitioner Aptiv Services US, LLC, Alex S. Yap, is a registered practitioner.
3. Stephen Liu is an experienced litigator and has established familiarity with the subject matter at issue in this proceeding. Accompanying this motion is **Exhibit 1027**, the Declaration of Stephen Liu in Support of this Motion for Admission *Pro Hac Vice* ("Liu Decl."). In his declaration, Mr. Liu attests, among other things, that he is a member in good standing of the California Bar and multiple United States District Courts. Decl. ¶¶ 1-2. Mr. Liu has 7 years of experience in patent litigation at all phases of the litigation process from pre-filing

investigations to jury trial, including drafting of pleadings, expert discovery, and specialized patent-related proceedings such as Markman hearings and invalidity contentions. Liu Decl. ¶ 8. In addition, Mr. Liu's familiarity with the subject matter at issue in this proceeding is demonstrated by his review of the '074 Patent, all cited prior art, and the IPR petition in this matter. Liu Decl. ¶ 9.

4. In his declaration, Mr. Liu also attests as to his admission to practice in other courts, as well as each of the required items set forth by 37 C.F.R. §42.10(c). See Liu Decl. ¶¶ 1-9.

III. Conclusion

For the foregoing reasons, Petitioner respectfully requests that the Board admit Stephen Liu *pro hac vice* in this proceeding.

Date: December 3, 2024

Respectfully Submitted,

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Certificate of Service (37 C.F.R. § 42.6(e)(4))

I hereby certify that the attached PETITIONER’S MOTION FOR PRO HAC VICE ADMISSION OF STEPHEN LIU UNDER 37 C.F.R. § 42.10(C) and the SUPPORTING DECLARATION OF STEPHEN LIU, were served on the date listed below via email (by agreement) upon the following counsel of record for

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Dated: December 3, 2024

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